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Zousman

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(54) **METHOD AND SYSTEM FOR CONTROLLED SYNTHESIS OF NANODIAMONDS**

(75) Inventor: **Boris Zousman**, Givat Zeev (IL)

(73) Assignee: **Ray Techniques Ltd.**, Givat Ram, Jerusalem (IL)

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(58) **Field of Classification Search**

None

See application file for complete search history.

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Primary Examiner — Guinever S Gregorio

(74) *Attorney, Agent, or Firm* — Daniel J. Swirsky;
AlphaPatent Associates Ltd.

(57) **ABSTRACT**

Method and system for controlled nanodiamond synthesis based on treating of a specially prepared solid carbon source target including carbon containing material in liquid media by irradiation energy beam focused at a predetermined distance from the target surface and having parameters to produce a light-hydraulic effect impacting the target surface and leading to the forming of diamond nanocrystals.

16 Claims, 3 Drawing Sheets

